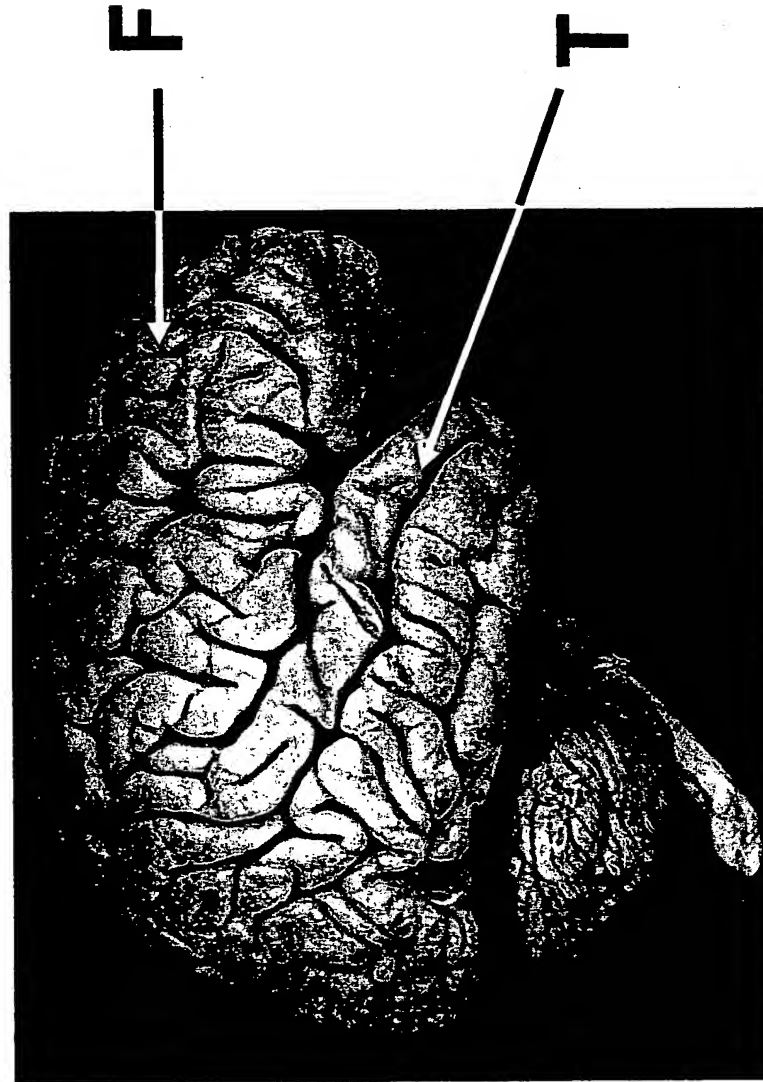


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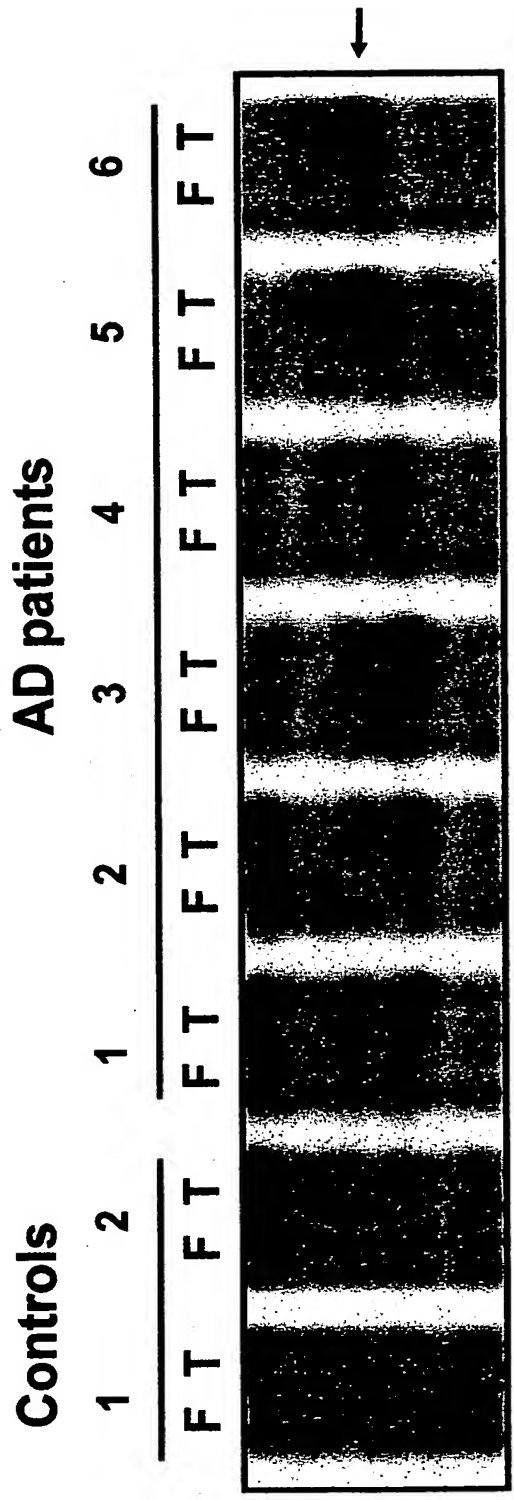
**Fig. 1: Identification of genes involved in  
Alzheimer's Disease pathology**



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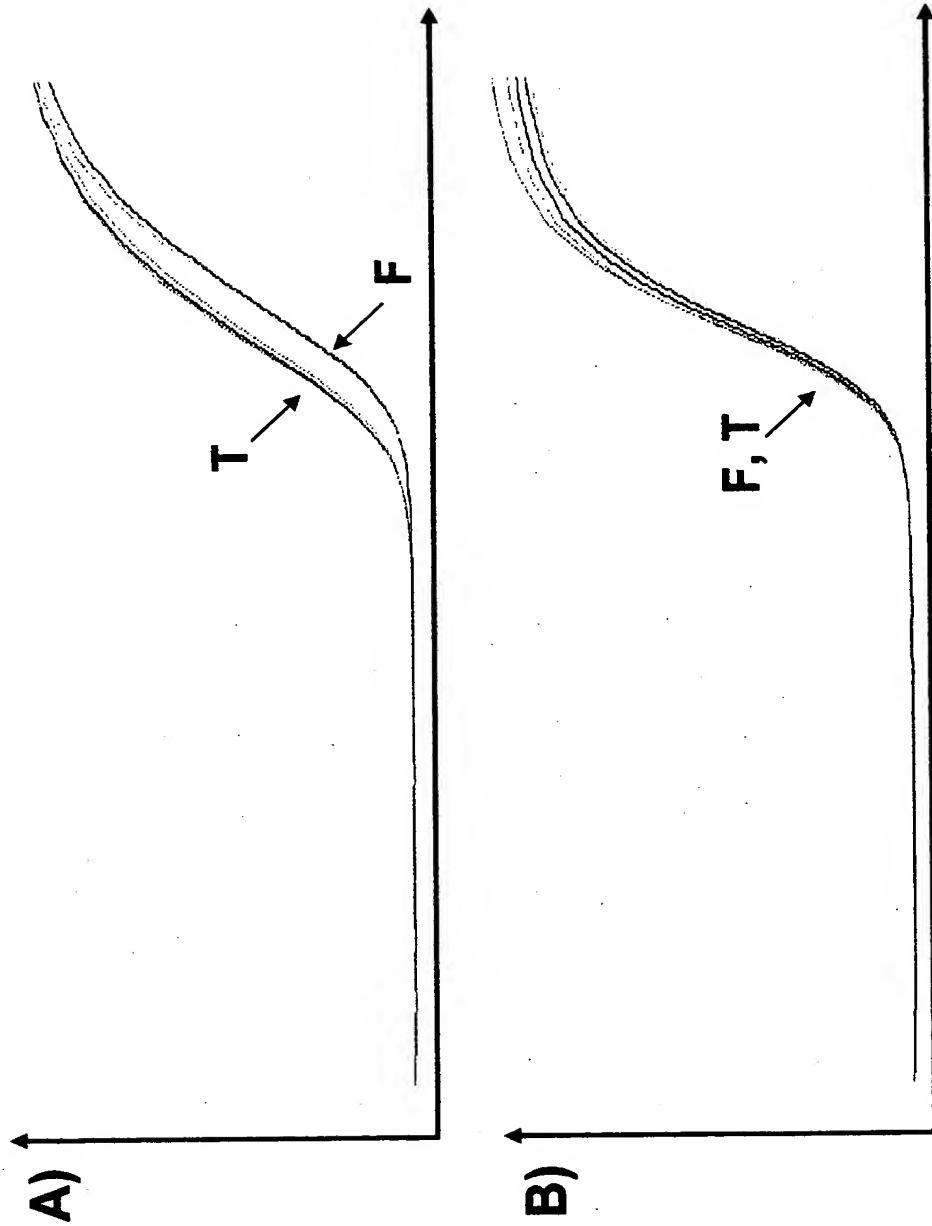
-2/11-

**Fig. 2: Identification of differentially expressed  
Alzheimer's disease genes in a fluorescence  
differential display screen**



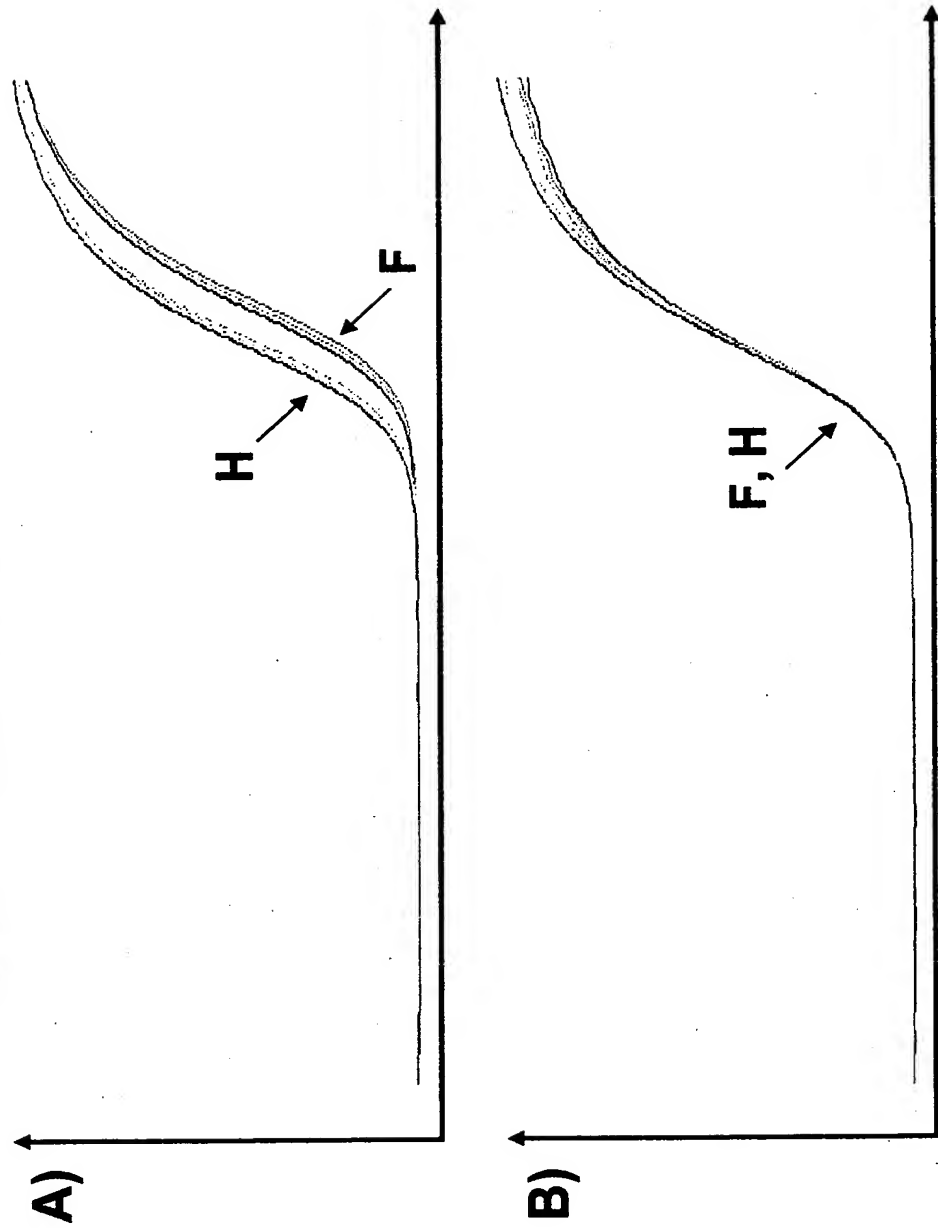
-3/11-

**Fig. 3: Verification of differential expression of the minor vault protein ADPRTL1 gene by quantitative PCR**



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**Fig. 4: Verification of differential expression of the minor vault protein ADPRTL1 gene by quantitative PCR**



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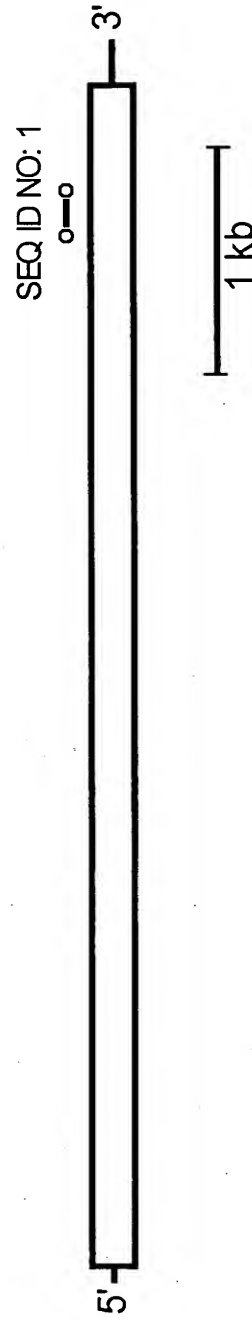
## Figure 5: Nucleotide sequence of SEQ ID NO. 1

Length: 35 bp

1 AATCTAGGAA TATTCCTGG GCTTTTGAGG CAATC

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**Fig. 6: Schematic alignment of SEQ ID NO. 1  
with minor vault protein ADPRTL1 cDNA  
(GenBank accession number AF057160)**



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**Fig. 7: Alignment of SEQ ID NO.1 with minor vault protein ADPRTL1 cDNA (AF057160)**

```
1 TCTAGGAATATTCCCTGGGCTTTTGAGGCAAT 33
  ||||||||||||||||||||||||||||
5027 TCCAGGAATATTCCCTGGGCTTTTGAGGCAAT 5058
```

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**Fig. 8: SEQ ID NO. 2: amino acid sequence of human minor vault protein ADPRTL1**

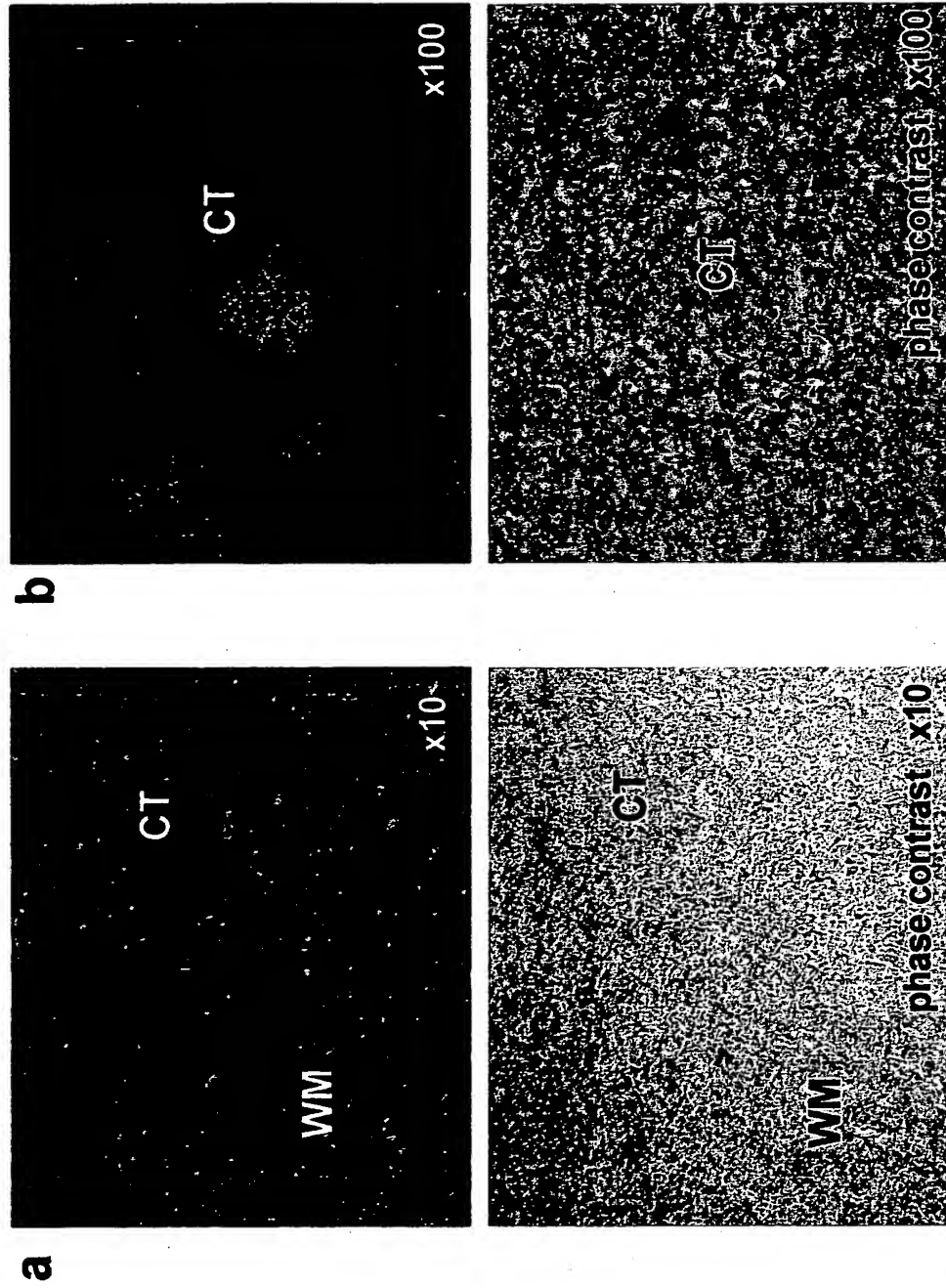
Length: 1724 aa

1	MVMGIFANCI	FCLKVKYLPQ	QQKKKLQTDI	KENGGKFSFS	LNPQCTHIIL
51	DNADVLSQYQ	LNSIQKNHVH	IANPDFIWKS	IREKRLLDVK	NYDPYKPLDI
101	TPPPDQKASS	SEVKTEGLCP	DSATEEEDTV	ELTEFGMQNV	EIPHL PQDFE
151	VAKYNTLEKV	GMEGGQEAVV	VELQCSRDSR	DCPFLISSHF	LLDDGMETRR
201	QFAIKKTSER	ASEYFENYIE	ELKKQGFLLR	EHFTPEATQL	ASEQLQALLL
251	EEVMNSSTLS	QEVSDLVEMI	WAEALGHLEH	MLLKPVNRIS	LNDVSKAEGI
301	LLL VKAALKN	GETAEQLQKM	MTEFYRLIPH	KGTMPKEVNL	GLLAKKADLC
351	QLIRDMVNVC	ETNLSKPNPP	SLAKYRALRC	KIEHVEQNTE	EFLRVRKEVL
401	QNHHSKSPVD	VLQIFRVGRV	NETTEFLSKL	GNVRPLLHGS	PVQNIVGILC
451	RGLLLPKVVE	DRGVQRTDVG	NLGSGIYFSD	SLSTSIKYSH	PGETDGTRLL
501	LICDVALGKC	MDLHEKDFSL	TEAPPGYDSV	HGVSQTASVT	TD FEDDEFVV
551	YKTNQVKMKY	IIKFSPMGDQ	IKDFHPSDHT	ELEEYRPEFS	NFSKVEDYQL
601	PDAKTSSSTK	AGLQDASGNL	VPLEDVHIKG	RIIDTVAQVI	VFQTYTNKSH
651	VP IEAKYIFP	LDDKAAVCGF	EAFINGKHIK	GEIKEKEEAQ	QEYLEAVTQG
701	HGAYLMSQDA	PDVFTVSVGN	LPPKAKVLIK	ITYITEL SIL	GTGVGVFFMPA
751	TVAPWQQDKA	LNENLQDTVE	KICIKEIGTK	QSFSLTMSIE	MPYVIEFIFS
801	DTHELKQKRT	DC KAVISTME	GSSLDSSGFS	LHIGLSAAYL	PRMWVEKHPE
851	KESEACMLVF	QPDLDVDLPD	LASESEVIIC	LDCSSSMEGV	TFLQAKQIAL
901	HALSLVGEKQ	KVNIIQFGTG	YKELFSYPKH	ITSNTAAAEF	IMSATPTMGN
951	TDFWKTLRYL	SLLYPARGSR	NILLVSDGHL	QDESLTLQLV	KRSRPHTRLF
1001	ACGIGSTANR	HVLRILSQCG	AGVFEYFNAK	SKHSWRKQIE	DQMTRLCSPS
1051	CHSVSVKWQQ	LNPDAPEALQ	APAQVPSLFR	NDRLLVYGFI	PHCTQATLCA
1101	LIQEKEFCTM	VSTTELQKTT	GTM IHKLAAR	ALIRDYEDGI	LHENETSHEM
1151	KKQTLKSLII	KLSKENS LIT	QFTSFVAVEK	RDENESPPFD	IPKVSELI AK
1201	EDVDFLPYMS	WQGE PQEAVR	NQSL LASSEW	PELRLSKRKH	RKIPFSKRKM
1251	ELS QPEVSED	FEEDGLGVLP	AFTSNLERGG	VEKLLDLSWT	ESCKPTATEP
1301	LFKKVSPWET	STSSFFPILA	PAVGSYLTPT	TRAHSPASLS	FASYRQVASF
1351	GSAAPPRQFD	ASQFSQGPVP	GTCADWIPQS	ASCPTGPPQN	PPSAPYCGIV
1401	FSGSSLSSAQ	SAPLQHPGGF	TTRPSAGTFP	ELDSPQLHFS	LPTDPDPIRG
1451	FGSYHPSAYS	PFHFQPSAAS	LTANLRLPMA	SALPEALCSQ	SRTTPVDLCL
1501	LEESVGSLEG	SRCPVFAFQS	SDTESDELSE	VLQDSCFLQI	KCDTKDD SIP
1551	CFLEVKEEDE	IVCTQHWQDA	VPWTELLSLQ	TEDGFWKLTP	ELGLILNLNT
1601	NGLHSFLKQK	GIQSLGVKGR	ECLLDLIATM	LVLQFIRTRL	EKEGIVFKSL
1651	MKMDDPSISR	NIPWAFEAIK	QASEWVR RTE	GQYPSICPRL	ELGNDWDSAT
1701	KQLLGLQPIS	TVSPLHRVLH	YSQG		



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**Fig. 9: Images of the human cerebral cortex  
labeled with anti-ADPRTL1 monoclonal  
antibody and with DAPI**



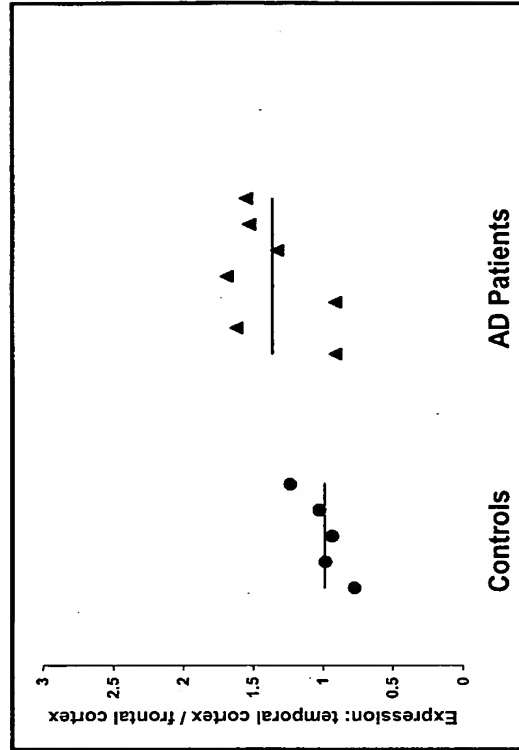
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Table 1 :

sample  $\Delta$  (fold)  
(temporal / frontal cortex)

control C011	0.77
control C012	0.98
control C014	0.93
control C005	1.02
control C008	1.23
patient P012	0.91
patient P016	1.62
patient P010	0.91
patient P011	1.69
patient P014	1.33
patient P017	1.53
patient P019	1.55

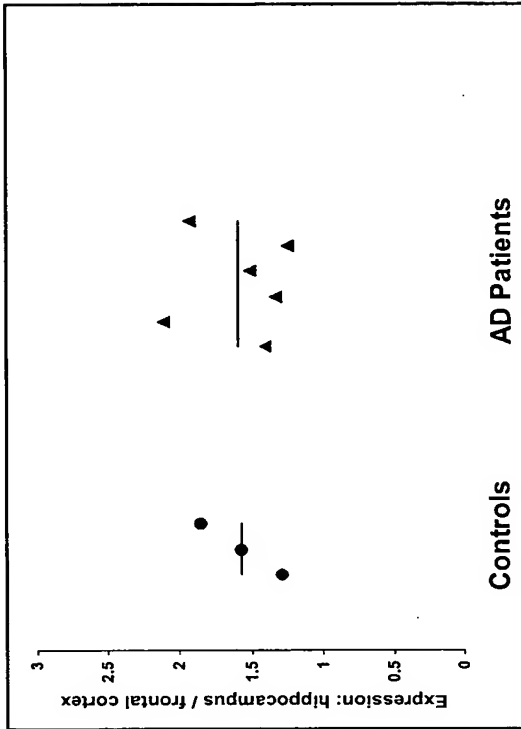


-11/11-

Table 2:

sample  $\Delta$  (fold)  
(hippocampus / frontal cortex)

control C005	1.28
control C008	1.57
control C004	1.86
patient P012	1.40
patient P016	2.11
patient P010	1.32
patient P011	1.51
patient P014	1.24
patient P019	1.93



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